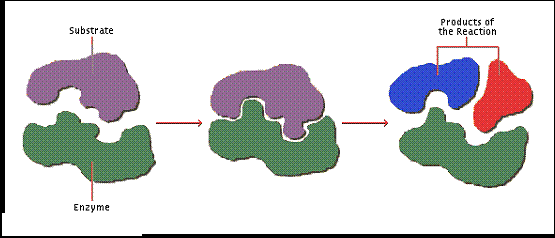
Week 21 Bio Warmups

A B



C

Identify each of the following in the diagram above:

1. Enzyme
2. Product(s)
3. Substrate (Reactant(s))

Identify the following as true or false.

|  |  |
| --- | --- |
| 1. | Enzymes can only be used once. |
| 2. | Enzymes speed up chemical reactions by lowering the activation energy. |
| 3. | The shape of an enzyme determines what reaction it can help. |
| 4. | The place where substrates bind to an enzyme is called the key site. |
| 5. | Enzymes can be affected by pH and temperature. |

Match each function with the correct carbon compound.

|  |  |  |  |
| --- | --- | --- | --- |
| 1. | pass on genetic information | a. | carbohydrates |
| 2. | make up waterproof coverings | b. | proteins |
| 3. | provide structure and support for plants (i.e. cellulose) | c. | lipids |
| 4. | help keep body healthy (i.e. antibodies) | d. | nucleic acids |

Listed below are 5 statements about organic compounds. Identify which three statements are false and change the underlined word to make the statement true. (Use one of the 4 compounds: carbohydrates, proteins, lipids, or nucleic acids)

|  |  |
| --- | --- |
| 1. | Nucleic acids are made of amino acids. |
| 2. | Fats, oils, waxes, and steroids are example of lipids. |
| 3. | Our main source of energy is carbohydrates. |
| 4. | Lipids are made of nucleotides. |
| 5. | Hormones are carbohydrates. |